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NEWS 14	DEC 21	CAS Learning Solutions -- a new online training experience
NEWS 15	DEC 22	Value-Added Indexing Improves Access to World Traditional Medicine Patents in CAplus
NEWS 16	JAN 24	The new and enhanced DPCI file on STN has been released
NEWS 17	JAN 26	Improved Timeliness of CAS Indexing Adds Value to USPATFULL and USPAT2 Chemistry Patents
NEWS 18	JAN 26	Updated MeSH vocabulary, new structured abstracts, and other enhancements improve searching in STN reload of MEDLINE
NEWS 19	JAN 28	CABA will be updated weekly
NEWS 20	FEB 23	PCTFULL file on STN completely reloaded
NEWS 21	FEB 23	STN AnaVist Test Projects Now Available for Qualified Customers
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AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2011.

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FILE 'HOME' ENTERED AT 18:05:25 ON 21 MAR 2011

=> file registry
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.23 0.23

FILE 'REGISTRY' ENTERED AT 18:05:44 ON 21 MAR 2011
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STRUCTURE FILE UPDATES: 20 MAR 2011 HIGHEST RN 1268954-09-1
DICTIONARY FILE UPDATES: 20 MAR 2011 HIGHEST RN 1268954-09-1

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http://www.cas.org/support/stngen/stndoc/properties.html

=> e bisphenol A/cn
E1 1 BISPHENOL 2,2-BIS(4-B-D-GLUCOPYRANOSYLOXYPHENYL)PROPANE /CN

```
E2            1     BISPHENOL 22-46/CN
E3            1 --> BISPHENOL A/CN
E4            1     BISPHENOL A 1,2-NAPHTHOQUINONEDIAZIDE-4-SULFONATE/CN
E5            1     BISPHENOL A 1,2-NAPHTHOQUINONEDIAZIDE-4-SULFONIC ACID ESTER/
                    CN
E6            1     BISPHENOL A 2,2-BIS(4-HYDROXY-3,5-DICHLOROPHENYL)PROPANE POL
                    YCARBONATE/CN
E7            1     BISPHENOL A 2-ETHYL-4-METHYLIMIDAZOLINE SALT (1:2)/CN
E8            1     BISPHENOL A 2-METHYLIMIDAZOLINE SALT (1:1)/CN
E9            1     BISPHENOL A 2-METHYLIMIDAZOLINE SALT (1:2)/CN
E10           1     BISPHENOL A 2-PHENYLIMIDAZOLINE SALT (1:1)/CN
E11           1     BISPHENOL A 2-PHENYLIMIDAZOLINE SALT (1:2)/CN
E12           1     BISPHENOL A 2-UNDECYLIMIDAZOLINE SALT (1:1)/CN

=> s e3
L1            1 "BISPHENOL A"/CN

=> d l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2011 ACS on STN
RN   80-05-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Phenol, 4,4'-(1-methylethylidene)bis-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Phenol, 4,4'-isopropylidenedi- (8CI)
OTHER NAMES:
CN   (4,4'-Dihydroxydiphenyl)dimethylmethane
CN   β,β'-Bis(p-hydroxyphenyl)propane
CN   2,2'-Bis(4-hydroxyphenyl)propane
CN   2,2-Bis(4-hydroxyphenyl)propane
CN   2,2-Bis(p-hydroxyphenyl)propane
CN   2,2-Di(4-hydroxyphenyl)propane
CN   2,2-Di(4-phenylol)propane
CN   4,4'-(1-Methylethylidene)bisphenol
CN   4,4'-(Propane-2,2-diyl)diphenol
CN   4,4'-Isopropylidenebis[phenol]
CN   4,4'-Isopropylidenediphenol
CN   4,4'-Methylethylidenebisphenol
CN   B 0494
CN   Bis(4-hydroxyphenyl)dimethylmethane
CN   Bis(p-hydroxyphenyl)propane
CN   Bisphenol A
CN   BPA
CN   BPA 154
CN   BPA 157
CN   BPA-M
CN   Dian
CN   Diano
CN   Diphenylolpropane
CN   Hidorin F 285
CN   Hidorin F 568
CN   HT 3082
CN   Ipognox 88
CN   Isopropylidenebis(4-hydroxybenzene)
CN   NSC 1767
CN   NSC 17959
CN   p,p'-Bisphenol A
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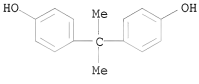
CN p,p'-Dihydroxydiphenylpropane
CN p,p'-Isopropylidenebisphenol
CN p,p'-Isopropylidenediphenol
CN Parabis
CN Parabis A
CN Pluracol 245
CN Rikabanol
DR 137885-53-1, 146479-75-6, 27360-89-0, 28106-82-3, 37808-08-5
MF C15 H16 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSNB, DETHERM*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, REAXYSFILE*, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

18869 REFERENCES IN FILE CA (1907 TO DATE)
4705 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
18971 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.87	9.10

FILE 'CAPLUS' ENTERED AT 18:06:45 ON 21 MAR 2011
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FILE COVERS 1907 - 21 Mar 2011 VOL 154 ISS 13

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FILE LAST UPDATED: 20 Mar 2011  (20110320/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Feb 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Feb 2011

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the fourth quarter of 2010.

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substance identification.

=> s l1/prep
        18971 L1
      5188222 PREP/RL
L2        3309 L1/PREP
                (L1 (L) PREP/RL)

=> s l2 and (rectification (3a) column)
         21343 RECTIFICATION
           125 RECTIFICATIONS
         21414 RECTIFICATION
                (RECTIFICATION OR RECTIFICATIONS)
        503922 COLUMN
        127450 COLUMNS
        566789 COLUMN
                (COLUMN OR COLUMNS)
          2829 RECTIFICATION (3A) COLUMN
L3           0 L2 AND (RECTIFICATION (3A) COLUMN)

=> s l2 and rectification
         21343 RECTIFICATION
           125 RECTIFICATIONS
         21414 RECTIFICATION
                (RECTIFICATION OR RECTIFICATIONS)
L4           4 L2 AND RECTIFICATION

=> d l4 1-4 ibib abs

L4   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER:         2005:300380  CAPLUS
DOCUMENT NUMBER:          142:336787
TITLE:                    Improved method for preparing bisphenol A
INVENTOR(S):              Hong, Dingyi; Zhou, Jidong; Qin, Jinlai; Li, Yuelei;
                          Yao, Zhenwei; Zhang, Hongjiang; Liu, Cuiyun; Fan,
                          Weihua
PATENT ASSIGNEE(S):       China Petroleum & Chemical Corp., Peop. Rep. China
SOURCE:                   PCT Int. Appl., 25 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Chinese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE         APPLICATION NO.         DATE
```

WO 2005030687	A1	20050407	WO 2004-CN1097	20040924
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CN 1616387	A	20050518	CN 2004-10011752	20040924
CN 100494140	C	20090603		
EP 1669339	A1	20060614	EP 2004-762230	20040924
EP 1669339	B1	20100728		
R: DE, FR, GB				
JP 2007506686	T	20070322	JP 2006-527260	20040924
US 20080091051	A1	20080417	US 2007-573697	20070313
PRIORITY APPLN. INFO.:			CN 2003-160098 A	20030928
			WO 2004-CN1097 W	20040924

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The method comprises feeding phenol and acetone to a reaction zone with condensation catalysts to give a stream containing bisphenol A; feeding this stream to a rectification zone to obtain a fraction mainly containing bisphenol A and phenol; and feeding this fraction to a crystallization zone to obtain bisphenol A; characterized in that, in addition to the stream containing bisphenol A, a water-depleted fraction, which mainly contains phenol, bisphenol A and acetone, is obtained in the rectification zone and is recycled to the reaction zone after being cooled down. Through the recirculating of the water-depleted fraction, the water content in the reaction zone can be reduced, the activity of catalysts can be maintained and the exotherm of the reaction can be controlled. Accordingly, the conversion of acetone and the selectivity of the reaction will be improved.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:41403 CAPLUS

DOCUMENT NUMBER: 142:375820

TITLE: New sideline extraction process for catalytic rectification

INVENTOR(S): Qiu, Zhaorong; Wang, Cheli; Cheng, Minlian; Ye, Qing; Yang, Jihe

PATENT ASSIGNEE(S): China Petrochemical Co., Ltd., Peop. Rep. China; Jiangsu Petrochemical College

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 25 pp. CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1478577	A	20040303	CN 2002-142233	20020827
CN 1247289	C	20060329		

PRIORITY APPLN. INFO.: CN 2002-142233 20020827

AB The sideline extraction method for drawing the product and/or byproduct out during catalytic rectification by mounting an extractor mounted on the middle of the reaction region of the catalytic rectification tower is presented. The systems used include a solid-liquid system, a liquid-liquid system or its layered alternative, or a liquid-gas system. The liquid in the solid-liquid system may be separated by gravity separation method or filtration and fed back to the reaction region. The liquid-liquid system may be separated by membrane filtration, rectification, extraction, adsorption, absorption, gas stripping, etc., and one kind of liquid in the liquid-liquid system may be fed back to the reaction region, while the layered liquid- liquid system may be separated by gravity separation The extractor for the liquid-liquid system is an internal liquid separator and an external liquid separator. An internal cooling separator is mounted in the top of the catalytic rectification tower, and used to cool and sep. the gas phase in the rectification tower. The method may be used in esterification, transesterification, saponification, hydrolysis, alkylation, isomerization, amination, oxidation, etherification, etc. Tri-Bu citrate, isobutylene, and bisphenol A were prepared by using the sideline extraction process.

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1978:590561 CAPLUS
DOCUMENT NUMBER: 89:190561
ORIGINAL REFERENCE NO.: 89:29445a,29448a
TITLE: Determination of sulfur compounds in volatile rectification fractions in the production of p,p'-diane
INVENTOR(S): Drahokoupilova, Milada; Novakova, Miluse
PATENT ASSIGNEE(S): Czech.
SOURCE: Czech., 2 pp.
CODEN: CZXXA9
DOCUMENT TYPE: Patent
LANGUAGE: Czech
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 170755	B1	19760915	CS 1975-15	19750102

PRIORITY APPLN. INFO.: CS 1975-15 A 19750102

AB EtSH, Et isopropenyl sulfide, EtSSEt, acetone diethylthioketal, and 4-methyl-4-ethylthio-2-pentanone were determined gas chromatog. in volatile rectification fractions of p,p'-dian production A glass column packed with 15% Carbowax 20M on Celite C22 was used. The column was temperature programmed from 60° to 190°; N was the carrier gas; and a flame-ionization detector was used.

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1957:71701 CAPLUS
DOCUMENT NUMBER: 51:71701

ORIGINAL REFERENCE NO.: 51:12977i,12978a-e
TITLE: 2-Butylamines
PATENT ASSIGNEE(S): Societe des laboratoires Labaz
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 765881		19570116	GB	

AB 4,4-Diaryl-2-butylamines are prepared by condensation of an α,β-unsatd. Ph ketone with a phenol in the presence of an organic peroxide and a Friedel-Crafts catalyst and amination of the ketone formed. The condensation can be carried out by mixing, in a 2-l. flask provided with a reflux condenser, immersion thermometer, and agitator, 525 g. anisalacetone (I), 648 g. o-cresol (II), and 750 cc. PhMe heated to 80°, adding 17 g. Bz2O2 in small portions at 90° in 0.5 hr., raising the temperature to 100° adding 3.6 cc. H2SO4 dropwise at 100° in 0.5 hr., refluxing the mixture 7 hrs., pouring into 2 l. aqueous 10% Na2CO3, decanting the PhMe layer, washing hot with dilute HCl, and distilling at atmospheric pressure, then in vacuo; rectification gave 27 g. 4-MeO-C6H6[3,2-Me(HO)C6H3]CHCH2Ac, b10 200-24° m. 114° (from C6H6-cyclohexane), and 262 g. 4-MeOC6H4[3,4-Me-(HO)C6H3]CHCH2Ac (III), b10 224-34° m. 126° (from C6H6-cyclohexane, and C6H6). Similarly were prepared the following ArAr'CHCH2Ac (Ar and Ar' given): Ph, 3,4-Me(HO)C6H3 (7 g.), m. 132° (from C6H6-cyclohexane); 4-MeOC6H4, 4-HOC6H4 (25 g.), m. 128° (from C6H6-cyclohexane); 4-ClC6H4, 3,4-Me(HO)C6H3, m. 117°; 4,3-HO-(MeO)C6H3, 3,4-Me(HO)C6H3, b13, 270-80°; 3,4-(MeO)2-C6H3, 3,4-Me(HO)C6H3, m. 144°; 3,4-CH2O2C6H3, 3,4-Me(HO)C6H3, m. 147°. Amination was carried out by heating together 3 hrs. at 140° 100 g. III and 86 g. HCO2NH4 until the 2 layers became one, raising the temperature to 180° during 1 hr., maintaining it 5 hrs., and pouring the hot solution into cold H2O to give 15 g. crude product, which, hydrolyzed by refluxing 8 hrs. in 500 cc. concentrated HCl and 1 l. H2O, diluting with 3 l. H2O, filtering, and precipitating yielded 46.8 g. 4-MeOC6H4[3,4-Me(HO)C6H3]CHCH2CHMeNH2 (IV), m. 119°. Similarly were prepared the following ArAr'CHCH2CHMeNH2 (Ar and Ar' given): 2-ClC6H4, 3,4-Me(HO)C6H3, m. 109°; 3,4-MeO(HO)C6H3, 3,4-Me(HO)C6H3, m. 135°; 3,4-CH2O2C6H3, 3,4-Me(HO)C6H3, m. 139°; Ph, 3,4-Me(HO)C6H3, m. 92°; and 4-MeOC6H4, 4-HOC6H4, m. 88°. These butylamines are antiextrasystolic agents. IV can be demethylated by heating 8 g. in 2 l. concentrated HCl 5 hrs. at 130° and 5-10 kg./sq. cm., diluting the cooled solution with 5 l. H2O containing 1/1000 hydroquinone, filtering with C, and precipitating with 30% NaOH; fractional precipitation at pH 6.6-8.0 gave 24 g. 4-HOC6H4[3,4-Me(HO)C6H3]CHCH2CHMeNH2 (V), violet powder, m. 180° (decomposition), converted (dry) to its HCl salt by dry gaseous HCl. (4-HOC6H4)2CHCH2CHMeNH2 (VI), m. above 260° (decomposition), was similarly prepared V and VI are effective hypotensive agents.

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(FILE 'HOME' ENTERED AT 18:05:25 ON 21 MAR 2011)

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     FILE 'REGISTRY' ENTERED AT 18:05:44 ON 21 MAR 2011
                E BISPHENOL A/CN
L1             1 S E3

     FILE 'CAPLUS' ENTERED AT 18:06:45 ON 21 MAR 2011
L2          3309 S L1/PREP
L3             0 S L2 AND (RECTIFICATION (3A) COLUMN)
L4             4 S L2 AND RECTIFICATION

=> s l2 and (side (3a) draw)
        845747 SIDE
        150480 SIDES
        951871 SIDE
                  (SIDE OR SIDES)
         33872 DRAW
          8693 DRAWS
         42023 DRAW
                  (DRAW OR DRAWS)
           339 SIDE (3A) DRAW
L5           2 L2 AND (SIDE (3A) DRAW)

=> d l5 1-2 ibib abs

L5   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER:         2007:1303039  CAPLUS
DOCUMENT NUMBER:          147:522726
TITLE:                    Production of polyphenols by condensation of carbonyl
                          compounds and phenols in the presence of
                          2,2-bis(methylthio)propane-promoted acid catalysts
INVENTOR(S):              Fetsko, Stephen W.; Evitt, Steven D.
PATENT ASSIGNEE(S):       Badger Licensing LLC, USA
SOURCE:                   PCT Int. Appl., 38pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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     WO 2007130040        A1    20071115    WO 2006-US17360        20060504
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
             MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
             SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
             VN, YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
     EP 2021311           A1    20090211    EP 2006-752299         20060504
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,
             BA, HR, MK, YU
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JP 2009535401	T	20091001	JP 2009-509513		20060504
CN 101448772	A	20090603	CN 2006-80054476		20081104
IN 2008DN09922	A	20090522	IN 2008-DN9922		20081127
KR 2009009296	A	20090122	KR 2008-7029557		20081203
US 20090137848	A1	20090528	US 2008-299153		20081230
US 7820866	B2	20101026			

PRIORITY APPLN. INFO.: WO 2006-US17360 W 20060504

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A process system for manufacturing a polyphenol comprises a phenolic compound/mother liquor stream, a carbonyl compound stream, a condensation reactor comprising an acid catalyst and maintained under polyphenol manufacturing conditions, a condensation reactor effluent stream to a dehydration column, a dehydration column, a dehydration column overhead stream under vacuum created by a downstream first pump to a promoter absorber column, a dehydration column side draw stream, a dehydration column bottoms stream, a promoter absorber column, a vent stream from the promoter absorber column, a vapor recirculation stream from the promoter absorber column to the dehydration column overhead stream upstream of the first pump, a promoter absorber column bottoms stream, a first phenolic compound stream, a second phenolic compound stream to the liquid ring inlet port of the first pump and a condensation reactor feed stream comprising the phenolic compound/mother liquor stream, the carbonyl compound stream and the promoter absorber column bottoms stream to the condensation reactor comprising an acid catalyst. The polyphenol is produced by reacting a phenolic compound with a carbonyl compound in the presence of an acid exchange resin catalyst, and 2,2-bis(methylthio)propane catalyst promoter which is added into the process system at specific locations. Preferably, the process is used for production of bisphenol A.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2006:301790 CAPLUS

DOCUMENT NUMBER: 144:331942

TITLE: Purifying p,p'-bisphenol A

INVENTOR(S): Kumar, Ramachandran; Ravi, Gomatam Raghavan; Bastian, Hyacinth Mary; Sathyanarayana, Gururaj; Shafer, Sheldon Jay; Ramamurthy, Kumar Krishna; Murukutla, Dwijaraja Mouli; Ramanarayanan, G.V.

PATENT ASSIGNEE(S): General Electric Company, USA

SOURCE: U.S. Pat. Appl. Publ., 7 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060069292	A1	20060330	US 2004-953132	20040929
US 7371902	B2	20080513		
WO 2006039088	A1	20060413	WO 2005-US32376	20050912

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,

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            NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
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            KG, KZ, MD, RU, TJ, TM
PRIORITY APPLN. INFO.:                      US 2004-953132      A  20040929
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB   Methods for purifying a p,p'-bisphenol A generally include distilling a feed
     stream comprising p,p'-BPA in a distillation column at a pressure ≤20
     millibars.  The distillation column separates the bisphenol feed stream to
     produce a light fraction, an intermediate fraction, and a heavy fraction.
     The intermediate fraction comprising the purified bisphenol contains
     lesser impurities that the p,p'-BPA in the feed stream.  The intermediate
     stream is recovered using a side-draw.  The
     side-draw is located between a first zone and a third
     zone in the distillation column.  The title method also includes converting any
     isomers of light or heavy fractions to bisphenol A in a reactor prior to
     distillation
OS.CITING REF COUNT:         1     THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
                                   (1 CITINGS)
REFERENCE COUNT:            14     THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
                                   RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d  his

     (FILE 'HOME' ENTERED AT 18:05:25 ON 21 MAR 2011)

     FILE 'REGISTRY' ENTERED AT 18:05:44 ON 21 MAR 2011
               E BISPHENOL A/CN
L1             1 S E3

     FILE 'CAPLUS' ENTERED AT 18:06:45 ON 21 MAR 2011
L2          3309 S L1/PREP
L3             0 S L2 AND (RECTIFICATION (3A) COLUMN)
L4             4 S L2 AND RECTIFICATION
L5             2 S L2 AND (SIDE (3A) DRAW)

=> log off
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
STN INTERNATIONAL LOGOFF AT 18:13:46 ON 21 MAR 2011
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